

Low Noise Systems

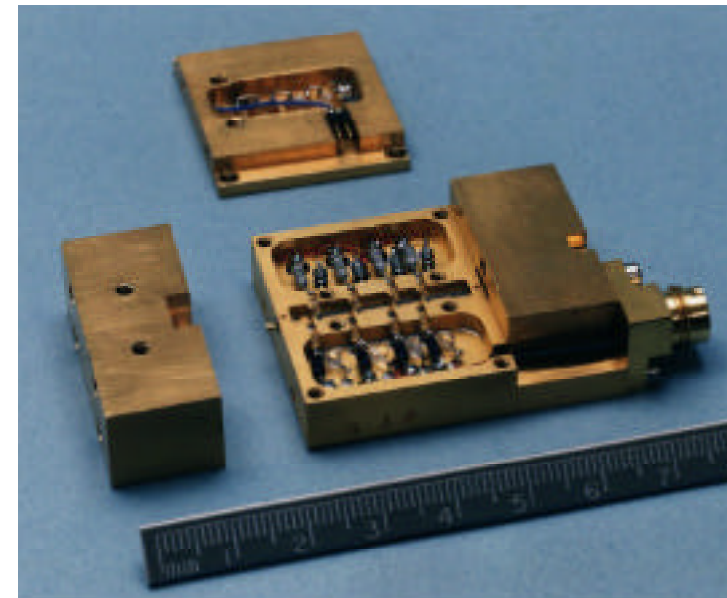


• Overall Objective

- Reduce implementation and operating costs, and increase reliability, sensitivity and RFI tolerance of ground-based cryogenic, low-noise amplifier systems

• Goals and Products

- Develop and demonstrate Ka-band HEMT-based cryogenic low noise amplifier modules with noise temperatures of 10.0K
- Study low cost Ka-band maser ULNA



4-Stage Ka-band HEMT LNA Module

